

APPENDIX F

CULTURAL RESOURCE SURVEYS

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EASTERN ARIZONA COLLEGE
626 CHURCH STREET
THATCHER, ARIZONA 85552
(602) 428-1133



GRAHAM COUNTY
COMMUNITY COLLEGE DISTRICT
EXTENSION CENTERS—GRAHAM
AND GREENLEE COUNTIES

"SERVING ARIZONA SINCE 1888"

6 June 1983

Mr. Boyd P. Heckel
Johannessen and Girard
Consulting Engineers, Inc.
6611 North Black Canyon Highway
Phoenix, Arizona 85015

Dear Mr. Heckel:

On 1 July 1983, at your request, I conducted a cultural resources investigation of the proposed 5000' parallel taxiway construction area located on the S/E side of the existing 5000' N/E-S/W runway at Cochise College, Arizona. The legal description is as follows: Section 3-Northeast, Southeast, Southwest; Township 24 South; Range 26 East, Gila and Salt River Base and Meridian, Cochise County, Arizona.

The proposed taxiway area consists of typical desert vegetation including wild grasses, yucca, and mesquite. The area shows evidence of past grubbing and scraping, particularly on the S/W taxiway right-of-way West of the Hangar apron. Vegetation is thicker east of the Hangar apron on the N/E section of the proposed taxiway. Occasionally, bulldozed mounds of earth and deadwood are found, evidence of disturbance at some indeterminate time in the past. Recorded climatic data at Douglass, Arizona indicates a semi-arid climate with an average of about 13 inches of precipitation annually.

SURVEY

Objectives

The purpose of the survey was to locate, record, inventory and describe all cultural resources observable on the surface of the project area in order to comply with the provisions of the law. Any gathered information would be used to determine if avoidance of any recorded cultural materials was possible, or if mitigation of adverse impacts was the proper treatment.

Methods

The archaeologist conducting the survey walked two S/W-N/E, and N/E-S/W zig-zag transects, beginning at the S/W end of the proposed 5000' taxiway. All of the ground surface was inspected. The project was located by following new centerline stakes along the proposed 5000' taxiway. The surveyor included in his survey a 50' buffer zone on either side of the proposed 25' wide taxiway in order to allow sufficient room for haulage routes and turnaround areas.

Results of Survey

Careful examination revealed no evidence of prehistoric or historic ruins. No ceramics, lithics, stone alignments were discovered during the inspections

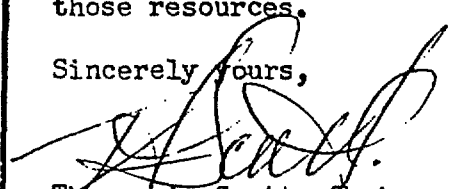
Johannessen and Girand - 2

Modern trash found in the right-of-way area included three aluminum soft drink containers, one whiskey bottle, and miscellaneous building debris deposited no doubt during some previous, recent construction at the College.

RECOMMENDATION

In my professional opinion, no cultural remains are contained in this area. Therefore the proposed project will have no detrimental archaeological impact. Clearance is recommended. If previously unidentified cultural materials are encountered during the construction, construction personnel must stop work immediately at that location and arrangements made for proper treatment of those resources.

Sincerely yours,



Thomas A. Scott, Chairman
Social and Behavioral Sciences
Staff Archaeologist

Field No: _____ Recorders: Bradford W. Stone / _____
 Recording Organization: Archaeological Research Services, Inc. Natl Reg Opinion: Potentially eligible
 Date Recorded: 6 / 6 / 95
 Proj. Name: ADOT/Chino Road
 Site Name: _____
 Land status (check one): PVT___ CTY X CO___ ST___ TRIB___ USFS___ USFW___
 NPS___ BLM___ DOD___ ACE___ BOR___ RTC___
 Owner/Agency name: City of Douglas
 Survey Colls: Y___ N X Repository Inst: _____
 Report Ref: CULTURAL RESOURCES SURVEY OF A PROPOSED REALIGNMENT CORRIDOR FOR A SEGMENT OF CHINO ROAD IN DOUGLAS, SOUTH-CENTRAL COCHISE COUNTY, ARIZONA. by Bradford W. Stone 6-19-95 ARS

Mapname USGS: Douglas, Ariz. Series: 7.5' State: Az County: Cochise El: 3930 ft
 Site size: (in Ft___ or M X) Length ? Width 1.2 How measured: EST___ PACE___ MAP___ TAPE X
 cntr UTM: Z 12 E 635175 N 3469200
 peri UTM Z___ E___ N___
 peri UTM Z___ E___ N___
 peri UTM Z___ E___ N___
 peri UTM Z___ E___ N___
 How were UTM's derived: USGS Map X GPS___

BL TWN	RNG	SC	SUBDIVISION
SRB&M 24S	27E	11	W 1/4, SW 1/4, SW 1/4
SRB&M 24S	27E	10	E 1/4, SE 1/4, SE 1/4
SRB&M 24S	27E	14	N 1/2, N 1/2, NW 1/4

Site Description/Remarks: This site consists of an abandoned section of the Southern Pacific rail line presumably constructed between 1900 and 1901. ARS has not in fact determined whether this segment of railroad alignment represents original, or replacement track/ties. It is logical to assume that the track was regularly maintained, with repairs (i.e., rail and tie replacement) being made as necessary. The line is constructed of standard gauge railing spaced 1.2 m (4 ft) apart, supported by 1.8 m (6 ft) long by 20.3 cm (8 in) wide by 7.6-to-10 cm (3-to-4 in) thick wooden ties spaced 20-to-25 cm (8-to-10 in) apart. The railing is in generally good condition with a light coating of rust, and several of the ties have deteriorated significantly. No other rail-related structures or features were identified in the vicinity of the project area.

This portion of the Southern Pacific rail line (between Don Luis and Douglas) was constructed between 1900 and 1901 to transport copper ore (initially from the Copper Queen mine, and later the Lavender pit mine, both in Bisbee) to the Copper Queen smelter located approximately one mile west of Douglas. In 1900 construction of a section of rail line between Don Luis and Douglas was initiated by the Southwestern Railroad of Arizona (incorporated October 19, 1900). A stockholders meeting in June of 1901 resulted in a name change from the Southwestern Railroad of Arizona to the El Paso and Southwestern Railroad Company. In 1924, Southern Pacific Railroad of Arizona acquired the El Paso and Southwestern Railroad Company, which by then extended from Tucson to El Paso. In December of 1974, mining operations in the Lavender pit mine ceased, and the Copper Queen smelter closed shortly thereafter (probably in June 1975). ARS was unable to determine the exact date when rail service on this line was discontinued, but the physical appearance and condition of the rails and ties would seem to indicate that it has been at least 10-to-15 years since this section of rail has been in use. A section of this line further east (northeast of Douglas) is known to have been in use during World War II. This site is considered to be potentially eligible for inclusion in the National Register of Historic Places Under Criterion D (information potential) of 36 CFR Part 60.4 due to its association with historic railroad and mining activities in this area. The development of the Southwestern Railroad of Arizona/El Paso and Southwestern rail line had a significant impact on the cultural and economic history of early 20th century life in southeastern Arizona by promoting the growth of several important mining towns including Bisbee and Douglas.

Agency Site No:	Additional Documentation type	document location
Agency Proj. No: <u>ARS 95:34</u>		in _____
Natl Reg Rec: <u>Potentially Eligible</u>		in _____
ASM Site No: <u>AZ FF: 10: 33 (ASM)</u>	ASM Proj No.: <u>1995 - 216</u>	ASM Permit No: <u>95 - 07</u>

ASM USE ONLY Class: Within AZ (ASM)
 QP AZ FF: 10: 33 Contains AZ (ASM)
 QP 4986 Biblio Ref. 11/17/95 by K
 QP 11/16/95 Acc.No. AZSITE DE 11/16/95 by K

Corrections:

Field No: _____		Recorders: <u>Bradford W. Stone</u> / <u>Elizabeth H. Harmon</u>	
<u>Alexa Smith</u> / _____		NatlReg Opinion: _____	
Recording Organization: <u>Archaeological Research Services, Inc.</u>		Date Recorded: <u>8 / 3 / 95</u>	
Proj. Name: <u>Kyle Railways</u>			
Site Name: _____			
Land status (check one): PVT <input checked="" type="checkbox"/> CTY _____ CO _____ ST _____ TRIB _____ USFS _____ USFW _____			
NPS _____ BLM _____ DOD _____ ACE _____ BOR _____ RTC _____			
Owner/Agency name: <u>SWKR Operating Company, Inc.</u>			
Survey Coils: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Repository Inst: _____			
Report Ref: <u>CULTURAL RESOURCES SURVEY OF A 17.31 MILE LONG SEGMENT OF THE SOUTHERN PACIFIC RAILROAD BETWEEN BISBEE JUNCTION AND BISBEE, AND BETWEEN PAUL SPUR AND DOUGLAS, SOUTH-CENTRAL COCHISE COUNTY, ARIZONA, 1995. ARS. by Bradford W. Stone and Elizabeth H. Harmon</u>			
Mapname USGS: _____		Series: <u>7.5'</u> State: <u>Az</u> County: <u>Cochise</u> El: ca <u>4000</u>	
Site size: (in Ft <input checked="" type="checkbox"/> or M <input type="checkbox"/>)		Length <u>58100</u> Width <u>1</u> How measured: EST <input type="checkbox"/> PACE <input checked="" type="checkbox"/> MAP <input type="checkbox"/> TAPE <input type="checkbox"/>	
cntr UTM: Z <u>12</u> E <u>630330</u>	N <u>3469730</u>	BL TWN <u>24S</u> <u>26E</u> SC <u>4, 5, 9, 10, 11, and 12</u>	
peri UTM Z <u>12</u> E <u>622085</u>	N <u>3470660</u>	G&SRBM <u>24S</u> <u>26E</u>	
peri UTM Z <u>12</u> E <u>637340</u>	N <u>3468790</u>	" <u>24S</u> <u>27E</u> <u>8, 9, 10, 11, 14, and 13</u>	
peri UTM Z <u>12</u> E <u>636930</u>	N <u>3467325</u>	_____	
peri UTM Z _____ E _____	N _____	_____	
How were UTM's derived: USGS Map <input checked="" type="checkbox"/> GPS <input type="checkbox"/>			

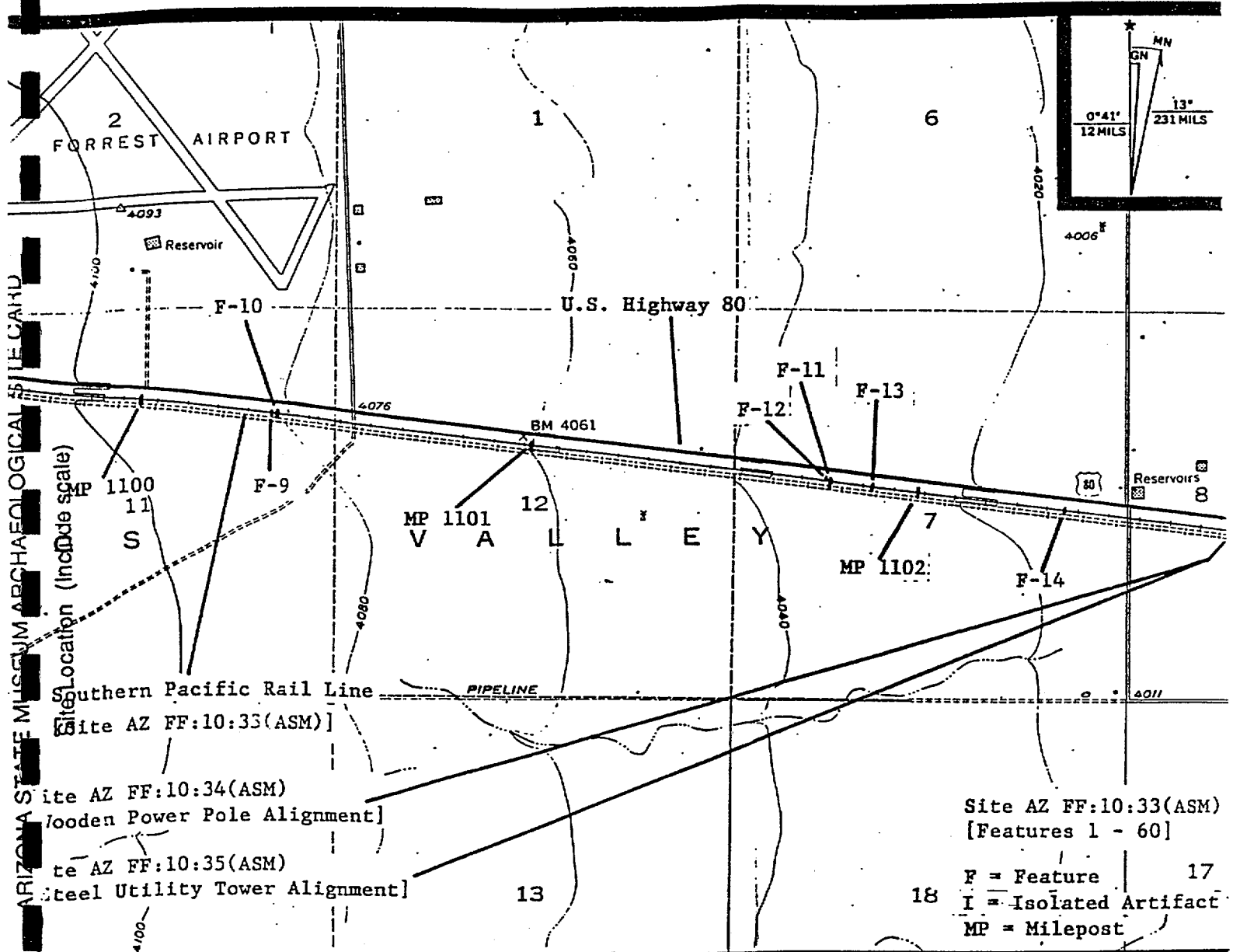
Site Description/Remarks: Site 34(ASM) consists of an abandoned alignment of 10 in diameter wooden power pole bases, cut off 4-to-6 in above ground surface, and an associated scatter of clear, sun colored amethyst, and amber glass insulator fragments. The pole bases are located at 150 ft intervals, between 15 ft and 45 ft north or south of the abandoned Southern Pacific Railroad line.

This site represent the remanants of an abandoned power pole alignment possibly associated with the Copper Queen smelter (in service begining in 1904). Although this alignment does not appear on the GLO maps of T24S, R26E, and T24s, R27E, the appearance of the pole bases suggest an age of least 40 years, and the presence of amber glass and sun colored amethyst glass insulators could suggest a construction date as early as the 1890's. This site is considered to be ineligible for inclusion in the National Register of Historic Places due considerations of condition and integrity.

Agency Site No: _____		Additional Documentation type _____		document location _____	
Agency Proj. No: _____		_____ in _____		_____ in _____	
Natl Reg Rec: <u>ineligible</u>		_____ in _____		_____ in _____	
ASM Site No: <u>AZ FF 10.34 (ASM)</u>		ASM Proj No.: <u>295 - 303</u>		ASM Permit No: <u>95 - 07</u>	
ASM USE ONLY Class: <u>2</u> Within AZ _____ (ASM)		Corrections: _____			
QP <u>AZ FF 10.34</u> Contains AZ _____ (ASM)		_____			
QP <u>AZ FF 10.34</u> Biblio Ref. <u>5107</u> Plotted <u>2/1/96</u> by: <u>W</u>		_____			
QP _____ Acc.No _____		AZSITE DE <u>2/2/96</u> by: <u>CN</u>			

AZ FF:10:34(ASM)

BIB:5107



Site AZ FF:10:33(ASM)
[Features 1 - 60]

F = Feature 17
I = Isolated Artifact 18
MP = Milepost

AZ FF: 10:34 (ASM.)

BIB: 5107

Figure 2a: Location of Survey Area 2 and Identified Cultural Resources

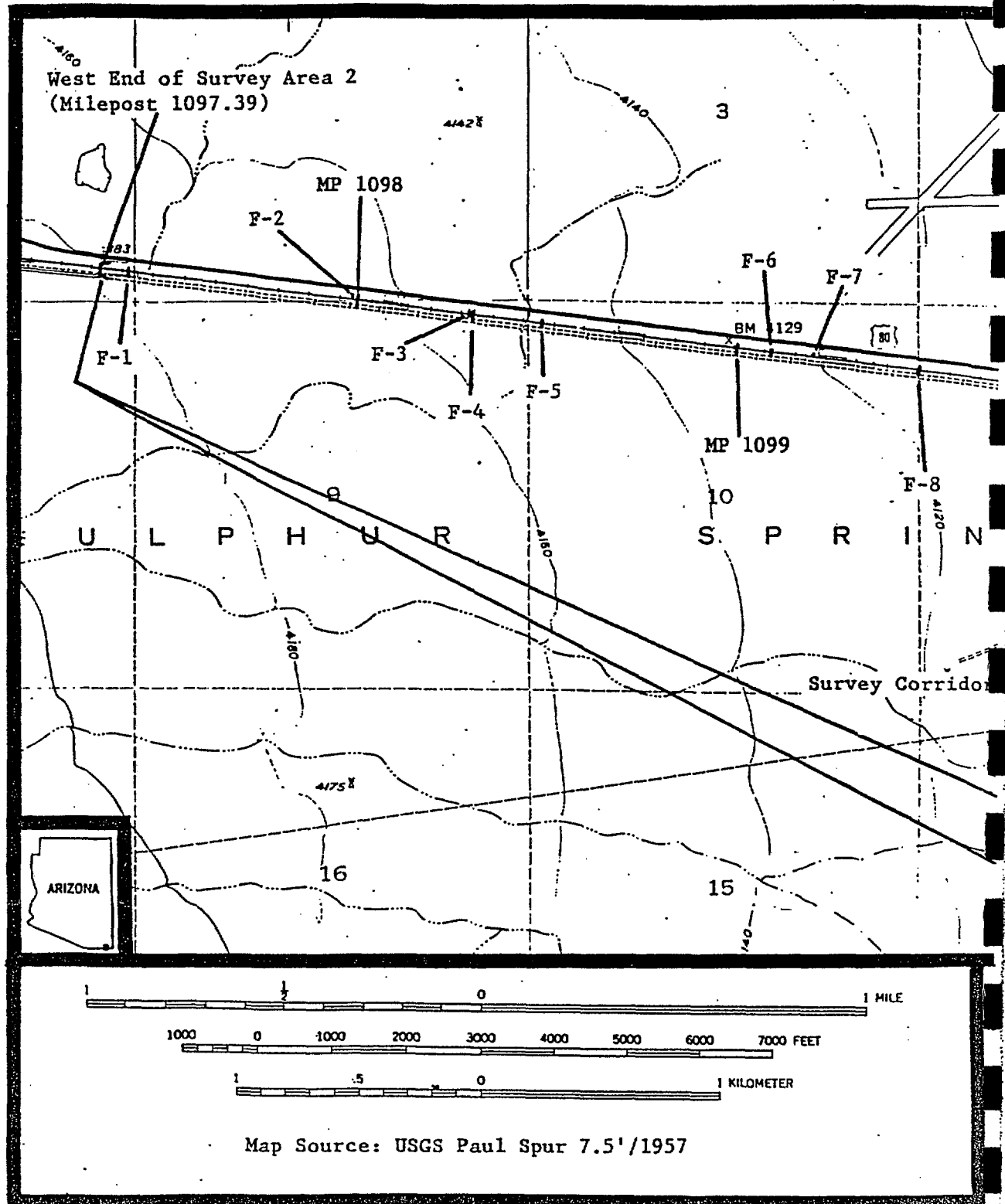
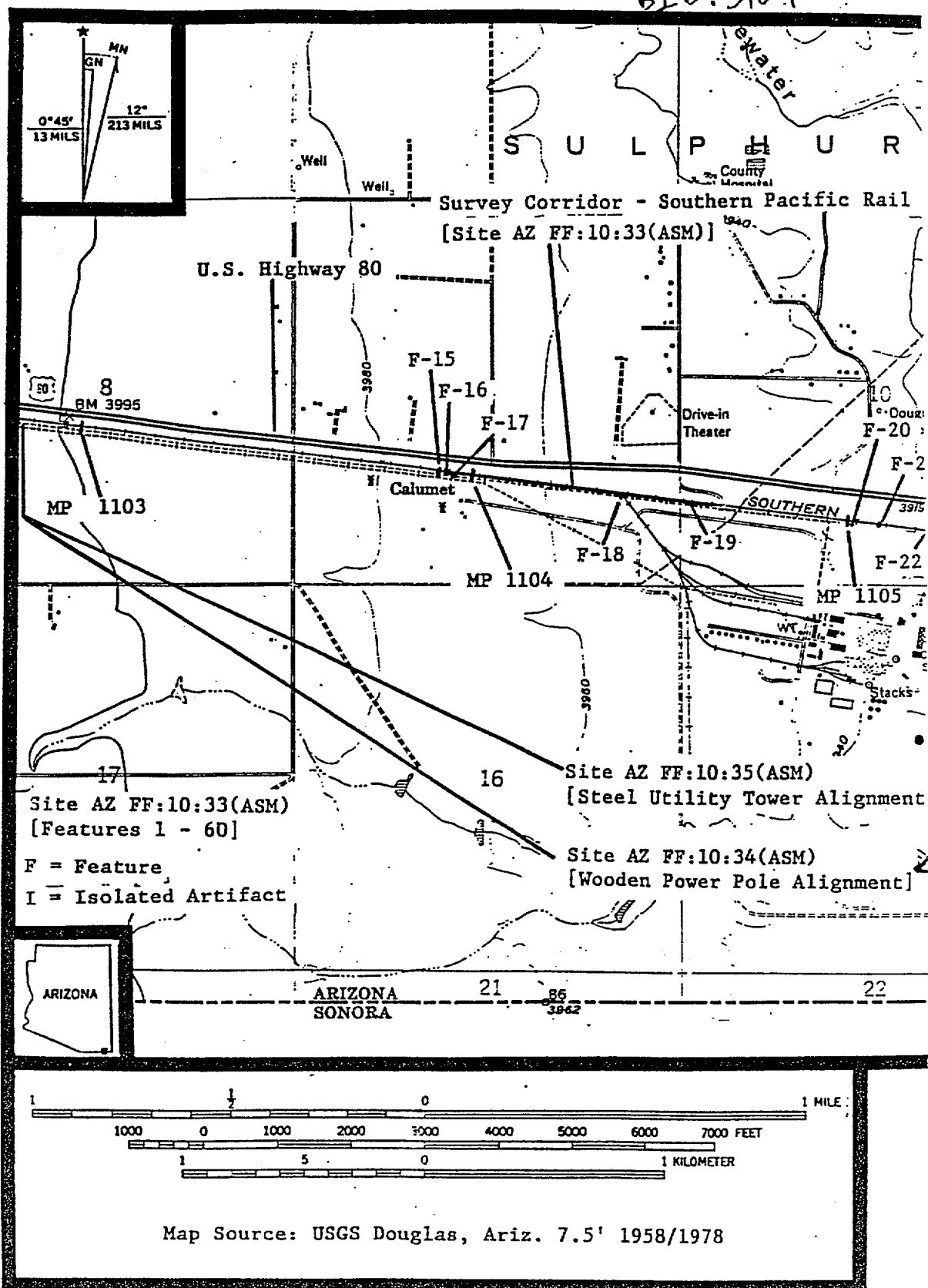
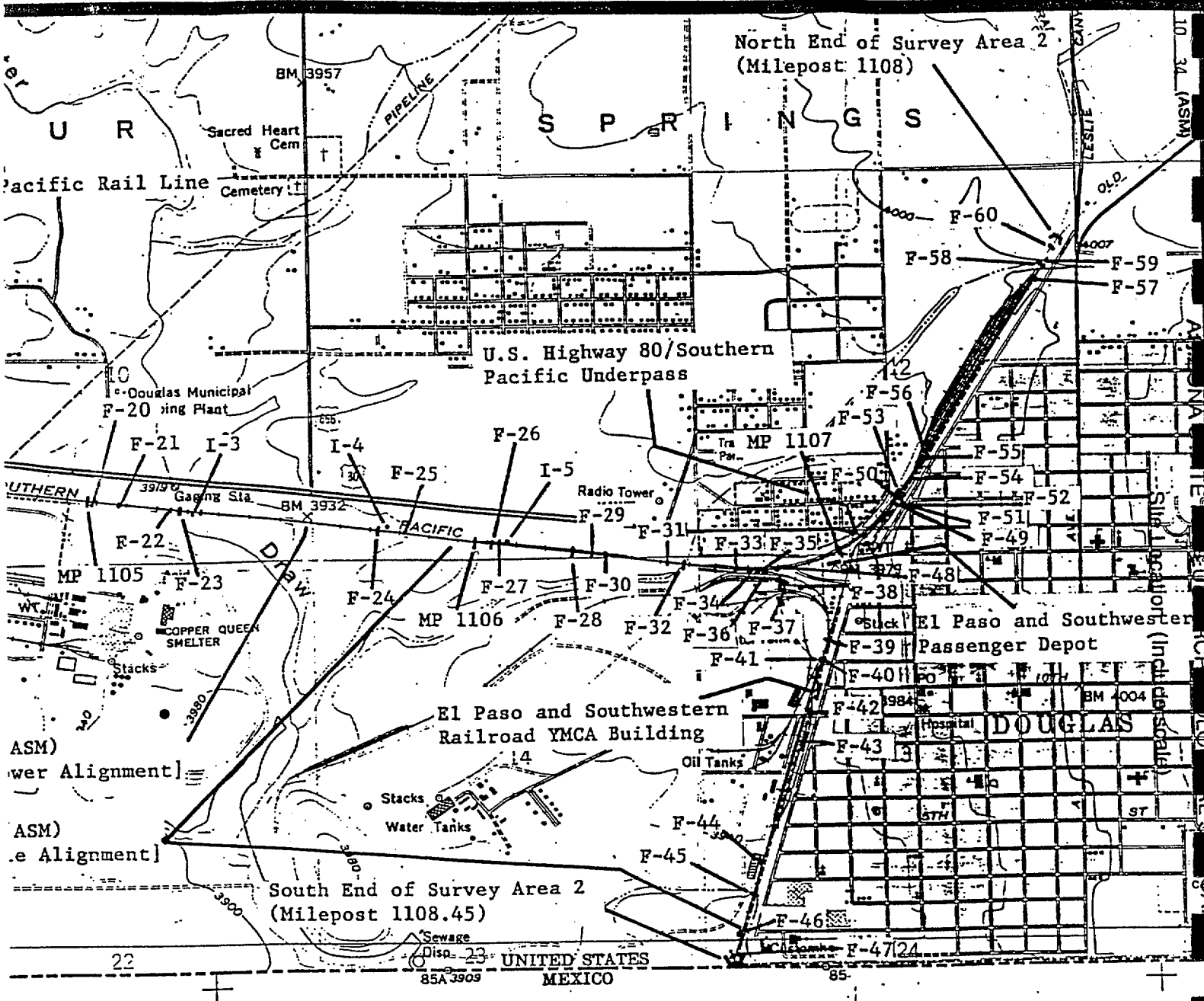


Figure 2b: Location of Survey Area 2 and Identified Cultural Resources

AZ FF:10:34 (ASM)
BIB:5107



818 517



Field No: _____		Recorders: <u>Bradford W. Stone</u> / <u>Elizabeth H. Harmon</u>	
<u>Alexa Smith</u>		NatReg Opinion: _____	
Recording Organization: <u>Archaeological Research Services, Inc.</u>		Date Recorded: <u>8 / 3 / 95</u>	
Proj. Name: <u>Kyle Railways</u>			
Site Name: _____			
Land status (check one):		<input checked="" type="checkbox"/> PVT <input type="checkbox"/> CTY <input type="checkbox"/> CO <input type="checkbox"/> ST <input type="checkbox"/> TRIB <input type="checkbox"/> USFS <input type="checkbox"/> USFW <input type="checkbox"/> NPS <input type="checkbox"/> BLM <input type="checkbox"/> DOD <input type="checkbox"/> ACE <input type="checkbox"/> BOR <input type="checkbox"/> RTC	
Owner/Agency name: <u>SWKR Operating Company, Inc.</u>			
Survey Colls: <u>Y</u> <input checked="" type="checkbox"/> <u>N</u> <input checked="" type="checkbox"/> Repository Inst: _____			
Report Ref: <u>CULTURAL RESOURCES SURVEY OF A 17.31 MILE LONG SEGMENT OF THE SOUTHERN PACIFIC RAILROAD BETWEEN BISBEE JUNCTION AND BISBEE, AND BETWEEN PAUL SPUR AND DOUGLAS, SOUTH-CENTRAL COCHISE COUNTY, ARIZONA, 1995, ARS, by Bradford W. Stone and Elizabeth H. Harmon</u>			
Mapname USGS: _____		Series: <u>7.5'</u> State: <u>Az</u> County: <u>Cochise</u> El: ca 3900'	
Site size: (in Ft <input checked="" type="checkbox"/> or M <input type="checkbox"/>)		Length _____ Width _____ How measured: <u>EST</u> <input checked="" type="checkbox"/> <u>PACE</u> <input checked="" type="checkbox"/> <u>MAP</u> <input type="checkbox"/> <u>TAPE</u> <input type="checkbox"/>	
cntr UTM: Z <u>12</u> E <u>660710</u> N <u>3469900</u>		BL TWN RNG SC SUBDIVISION	
peri UTM Z <u>12</u> E <u>622085</u> N <u>3470660</u>		G&SRBM 24S 27E 7, 8, 9, 10, and 11	
peri UTM Z <u>12</u> E <u>635180</u> N <u>3469200</u>		" 24S 26E 4, 5, 9, 10, 11, and 12	
peri UTM Z _____ E _____ N _____		_____	
peri UTM Z _____ E _____ N _____		_____	
How were UTM's derived: USGS Map <input checked="" type="checkbox"/> GPS _____			

Site Description/Remarks: Site 35(ASM) consists of three upright, 35 ft tall by 10 ft wide abandoned steel utility towers, eight downed towers of the same dimensions, ceramic insulators, and a series of 12 in wide by 15 in long concrete support pads for these towers. The downed utility towers have been cut down with a torch at approximately 1 in above the concrete support pads.

Site 35(ASM) consist of the remnants of a utility line which may have delivered power to the Copper Queen Smelter west of Douglas, which began operation in 1904. This alignment does not appear to be more than 30-to-40 years old, and may have been a replacement for a series of wooden power pole bases that also parallel the Southern Pacific Railroad (Site AZ FF:10:33[ASM]). A portions of this alignment was previously recorded by ARS in June of 1995 during a survey for a proposed realignment of Chino Road in Douglas, and was at that time considered to be ineligible for inclusion in the National Register. As a result of the present survey, it is the conclusion of ARS that this site is ineligible for inclusion in the National Register due considerations of condition and integrity.

Additional Documentation type		document location
Agency Site No: _____	_____	in _____
Agency Proj. No: _____	_____	in _____
Natl Reg Rec: <u>ineligible</u>	_____	in _____
ASM Site No: <u>AZ FF: 10: 35 (ASM)</u>	ASM Proj No.: <u>1995 - 303</u>	ASM Permit No: <u>95 - 07</u>
ASM USE ONLY Class: <u>3</u> Within AZ _____ (ASM) QP <u>AZ FF: 10: 35</u> Contains AZ _____ (ASM) QP <u>AZ FF: 10: 35</u> Biblio Ref. <u>5107</u> Plotted <u>2 / 1 / 96</u> by <u>CN</u> QP _____ Acc.No _____ AZSITE DE <u>2 / 2 / 96</u> by <u>CN</u>		Corrections: _____

LOCATION

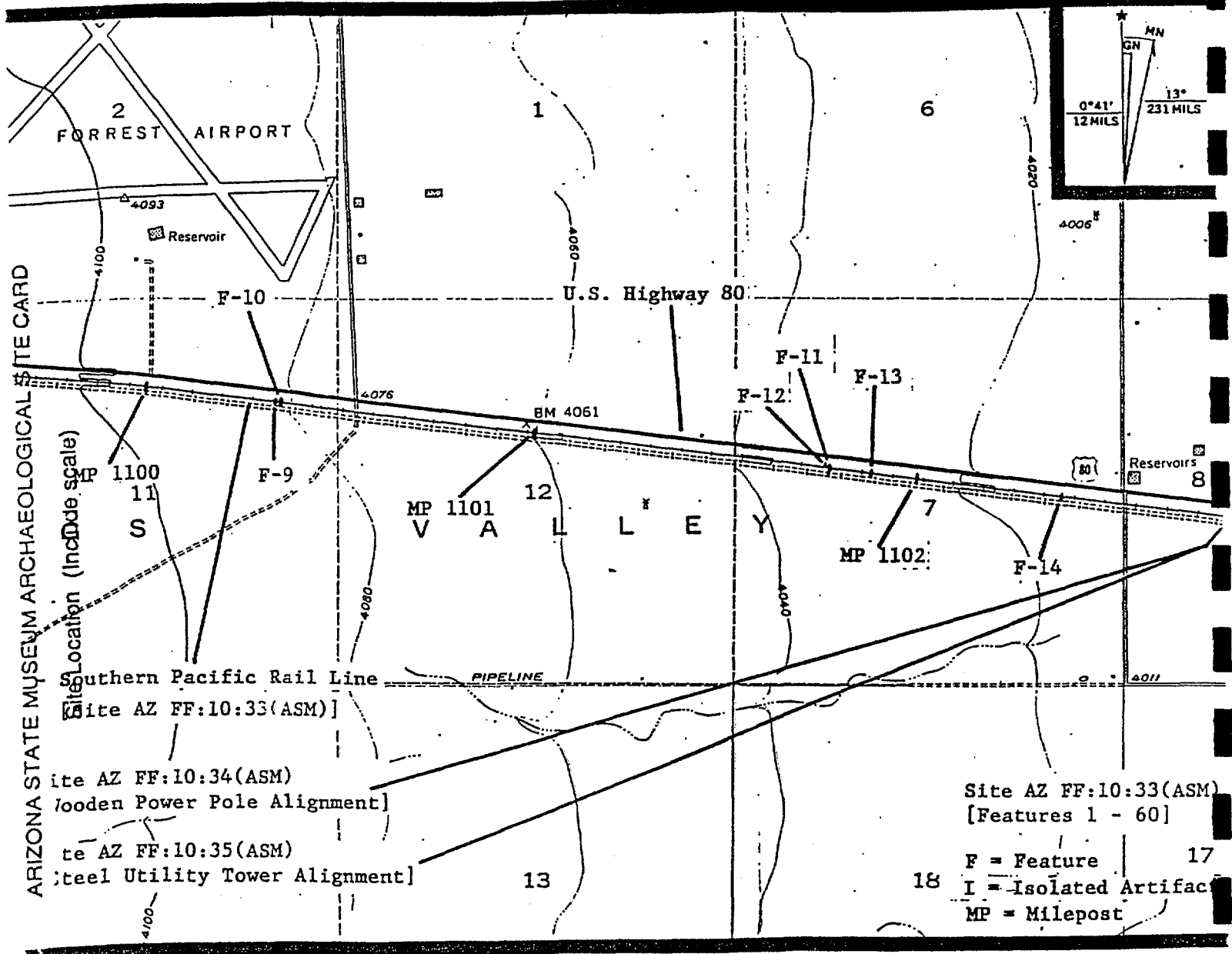
INTERPRETATION

AGENCY ADMIN

ASM ADMIN

ARIZONA STATE MUSEUM ARCHAEOLOGICAL SITE CARD

AZ FF:10:35(ASM)
BIB:5107



ARIZONA STATE MUSEUM ARCHAEOLOGICAL SITE CARD

Site Location (Include scale)

Southern Pacific Rail Line
Site AZ FF:10:33(ASM)]

ite AZ FF:10:34(ASM)
ooden Power Pole Alignment]

te AZ FF:10:35(ASM)
teel Utility Tower Alignment]

Site AZ FF:10:33(ASM)
[Features 1 - 60]

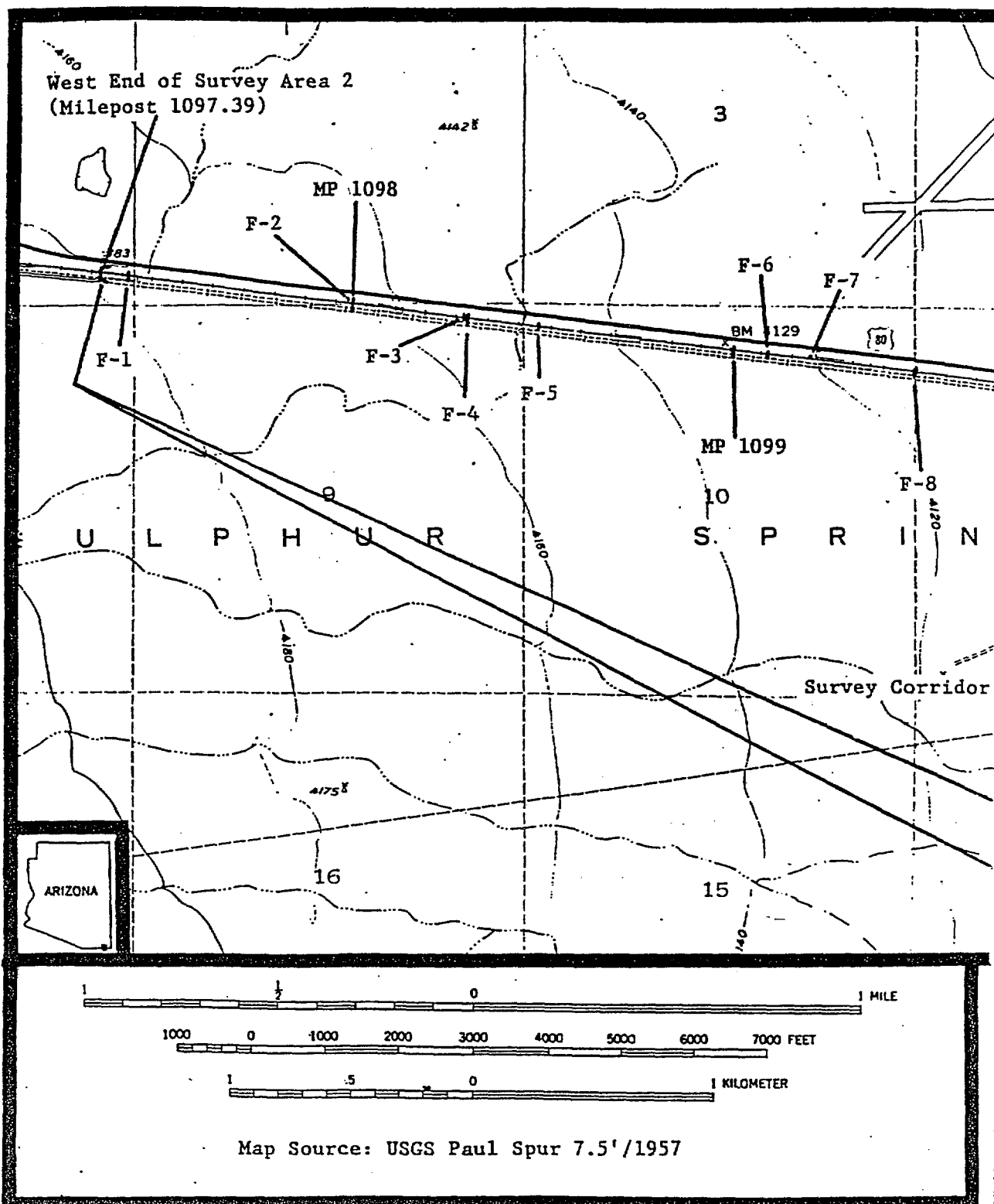
F = Feature
I = Isolated Artifact
MP = Milepost

AZ FF:10:35(ASM)

Side F

BIB: 5107

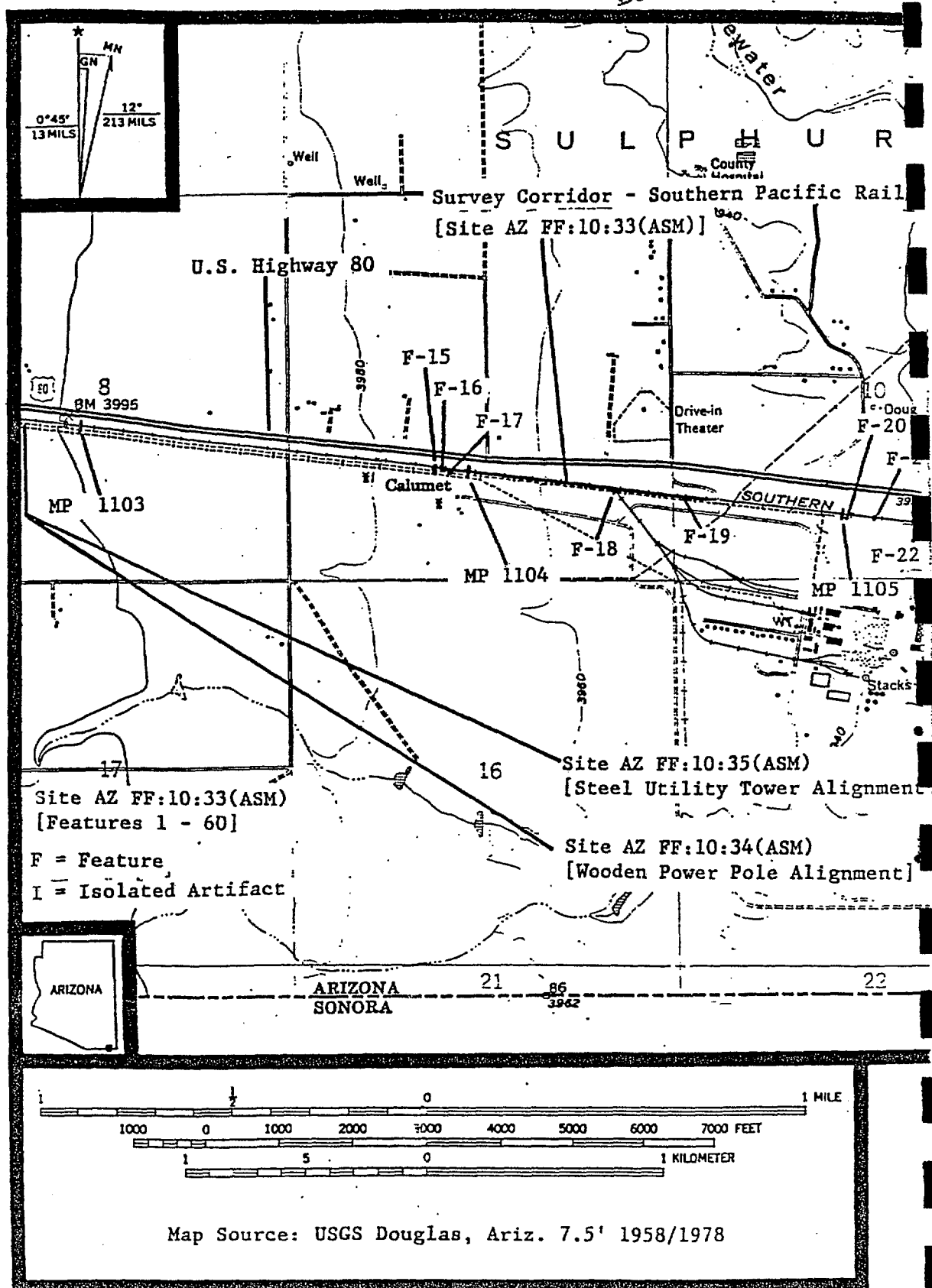
West End of Survey Area 2
(Milepost 1097.39)



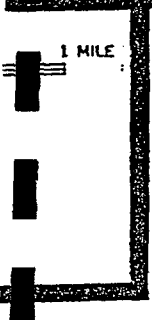
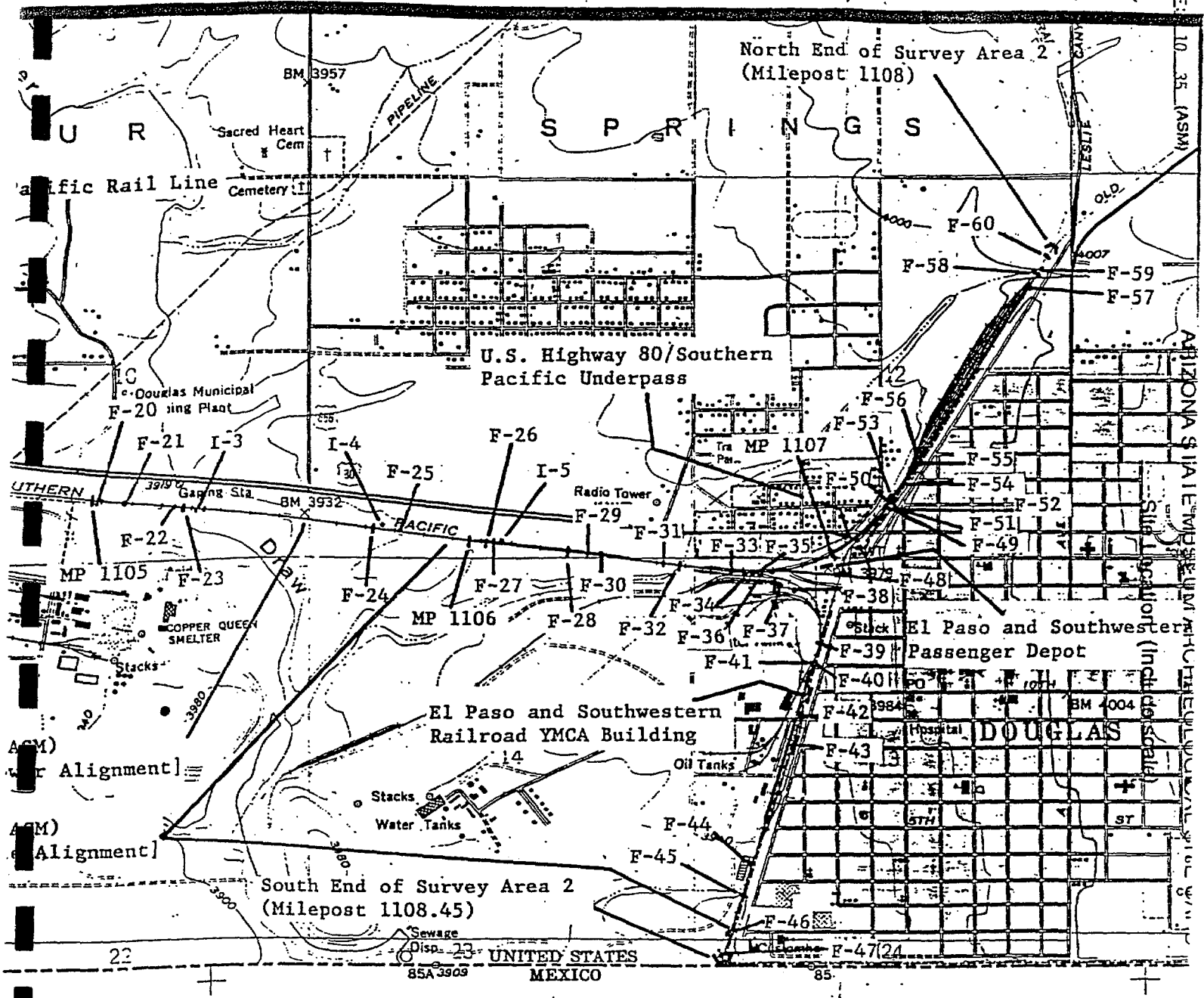
Side F

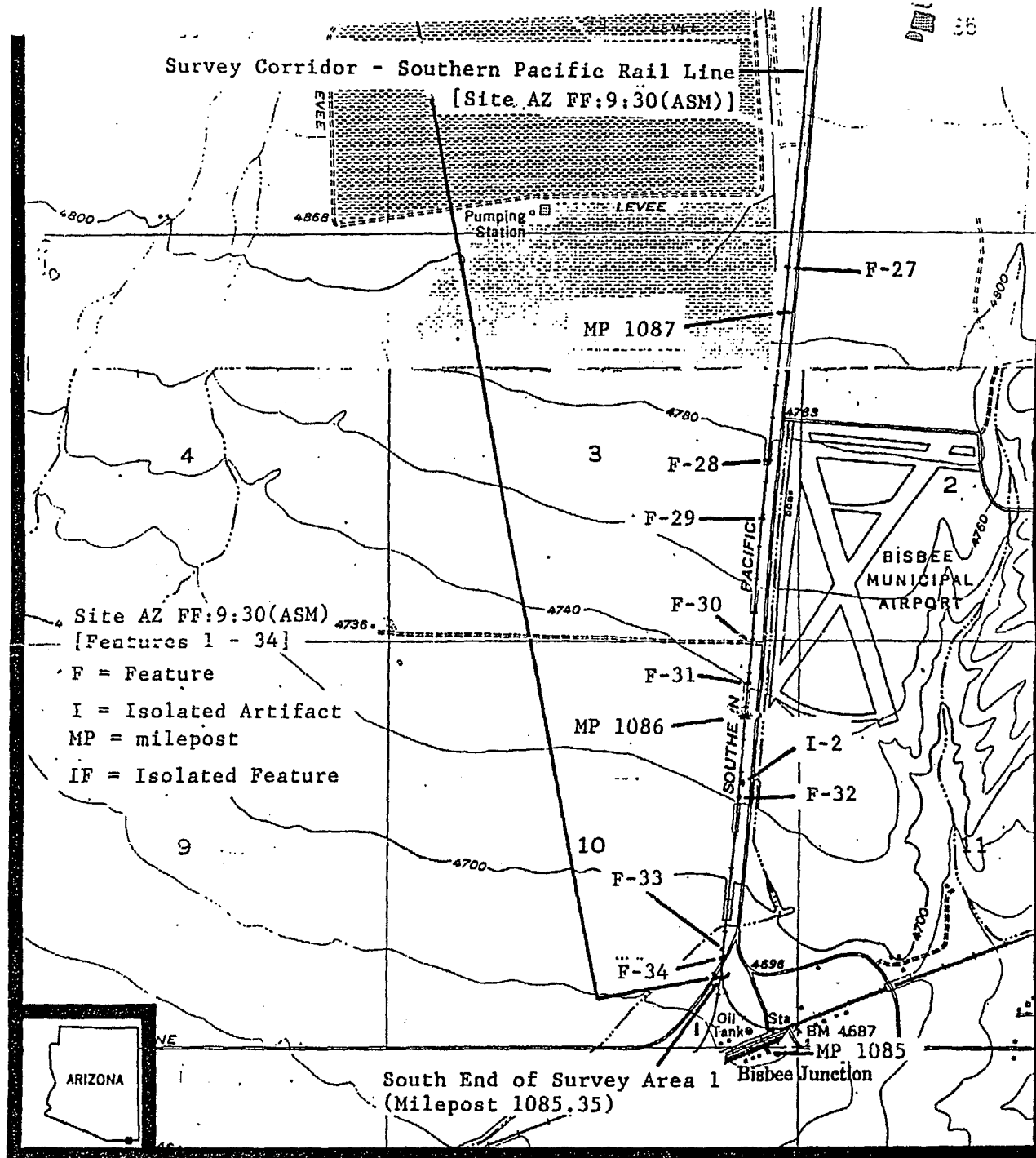
Figure 2b: Location of Survey Area 2 and Identified Cultural Resources

AZ FF:10:35(ASM)
BIB: 5107



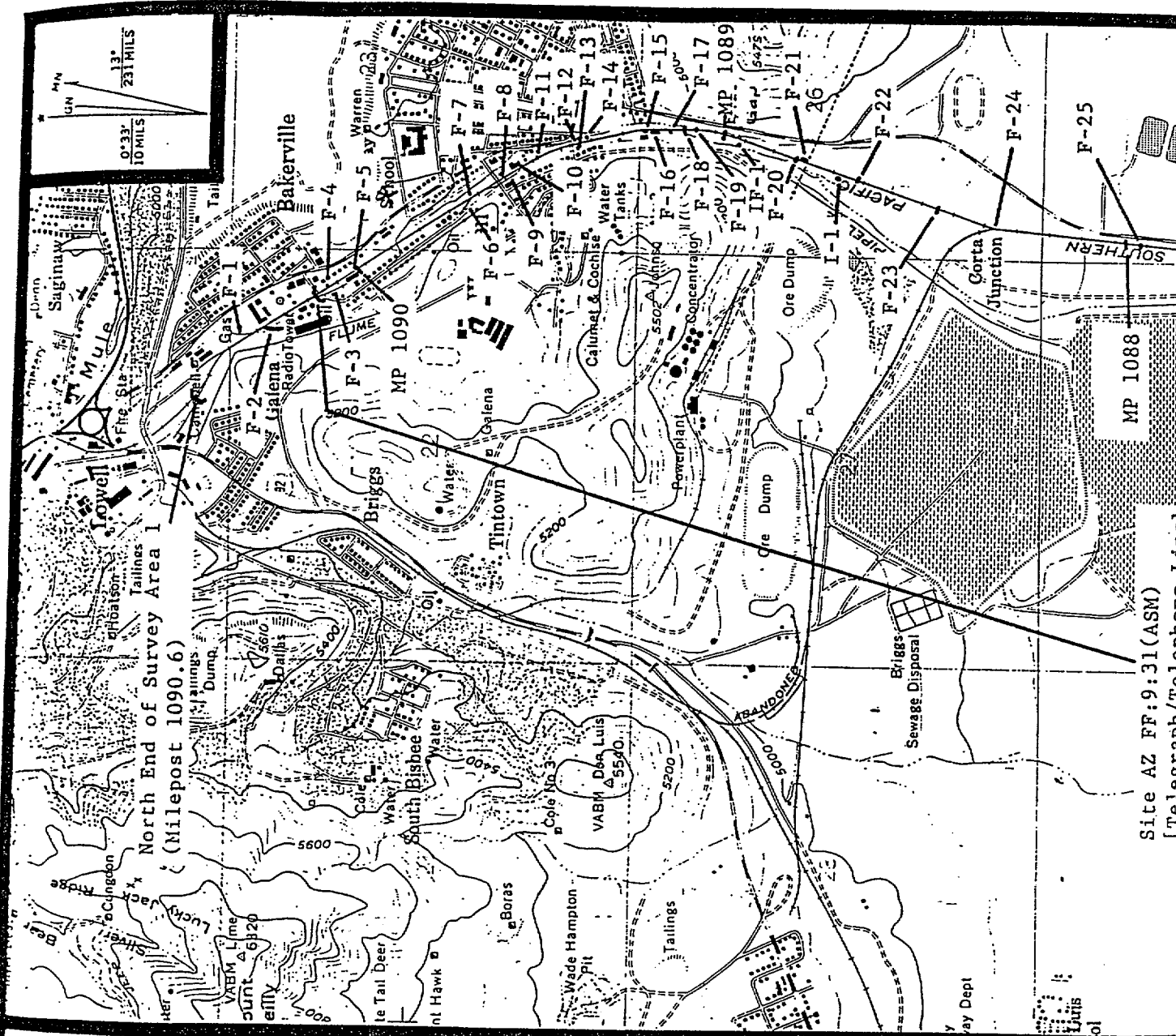
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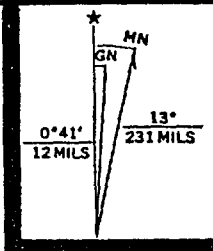
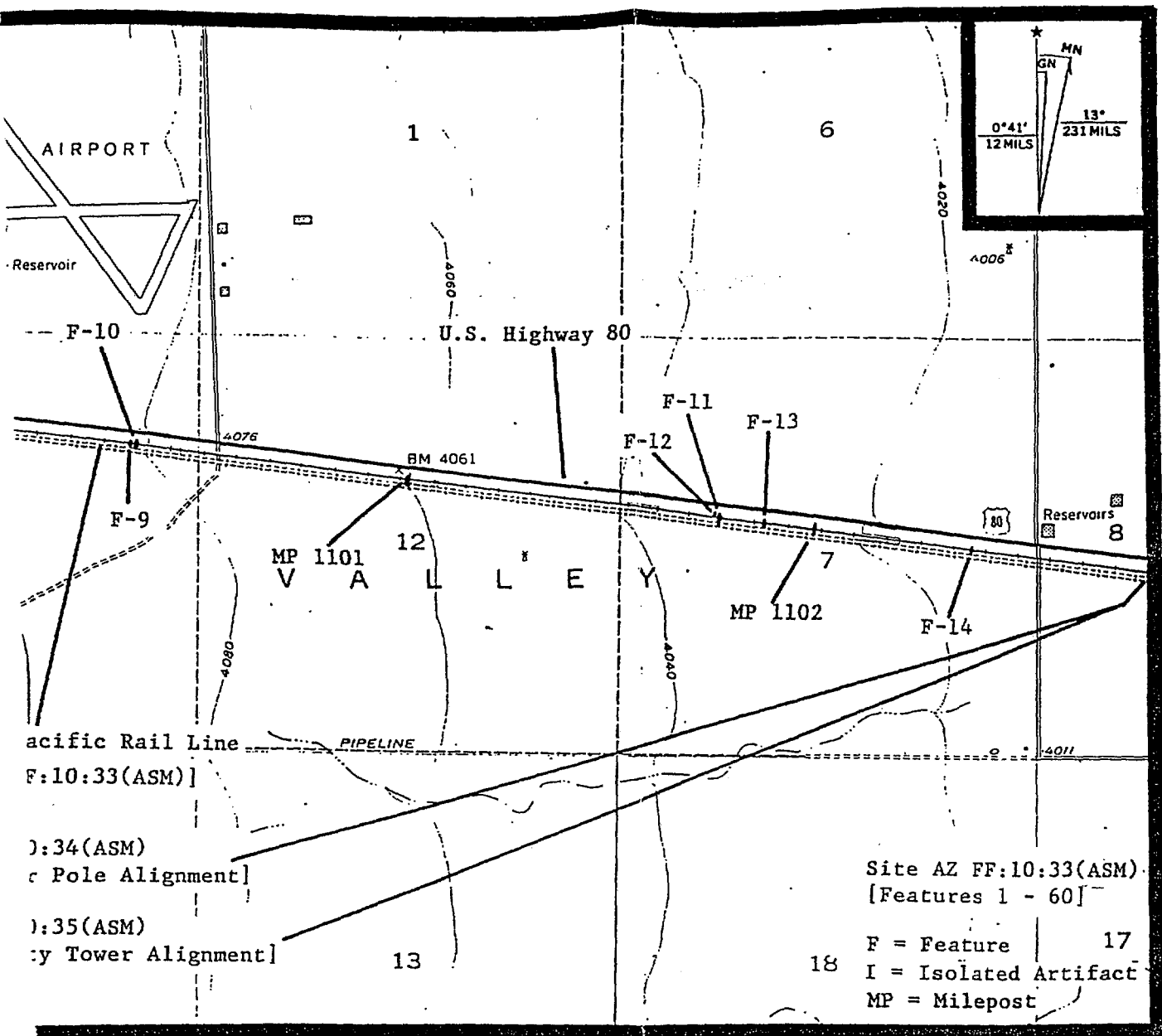
ASM Proj. #:
95-303
BIBL1015107

FIGURE 1: Location of Survey Area 1 (Bisbee Junction to Bisbee) and Identified Cultural Resources



Map Source: USGS Naco, Ariz. 7.5'/1958
USGS Bisbee, Ariz. 7.5' 1958/1978

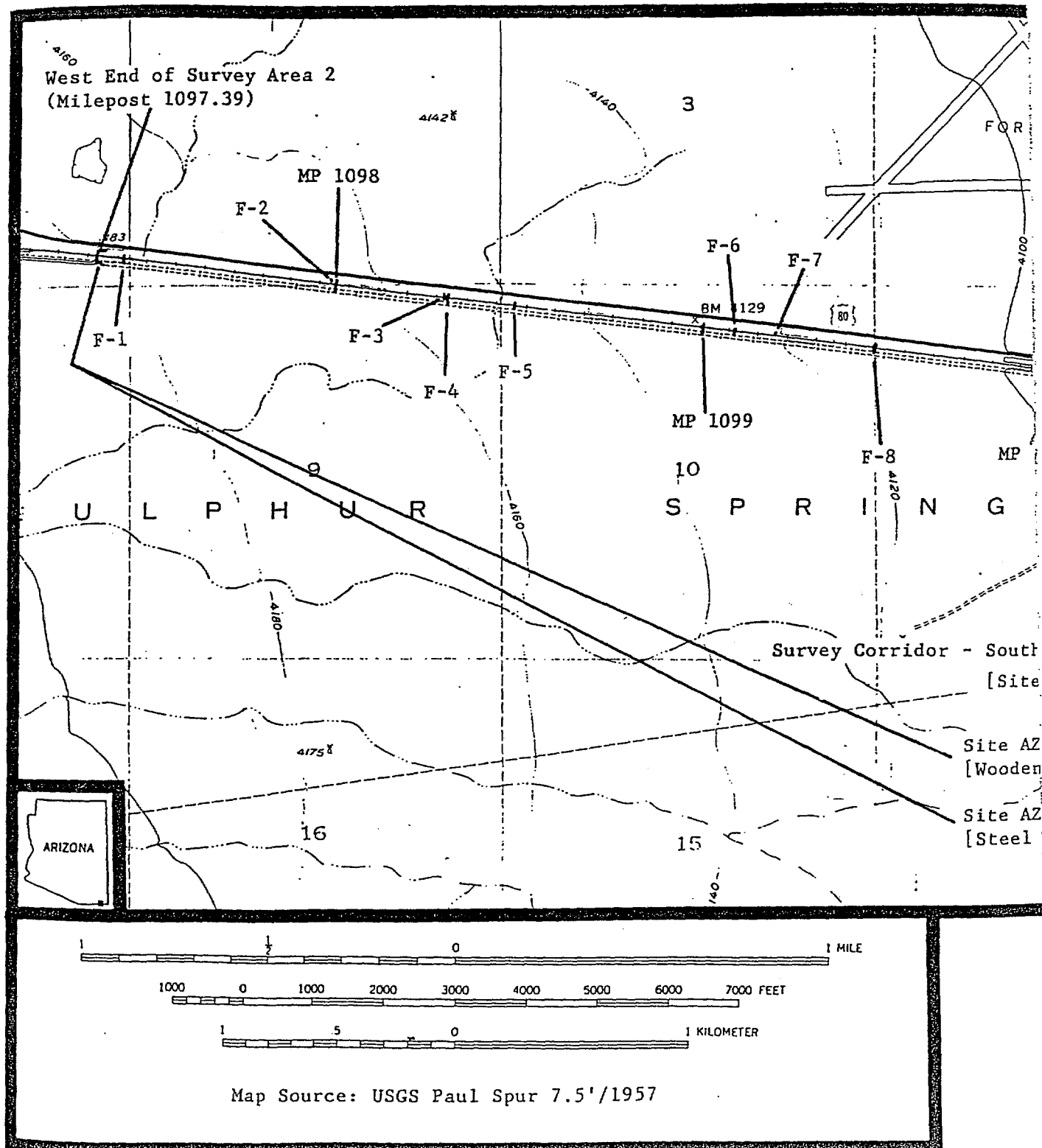
AZ PROS #
BIBLIO: 5157



acific Rail Line
F:10:33(ASM)
):34(ASM)
c Pole Alignment]
):35(ASM)
y Tower Alignment]

Site AZ FF:10:33(ASM)
[Features 1 - 60]
F = Feature
I = Isolated Artifact
MP = Milepost

Figure 2a: Location of Survey Area 2 and
Identified Cultural Resources



.BI BLIO: 5107

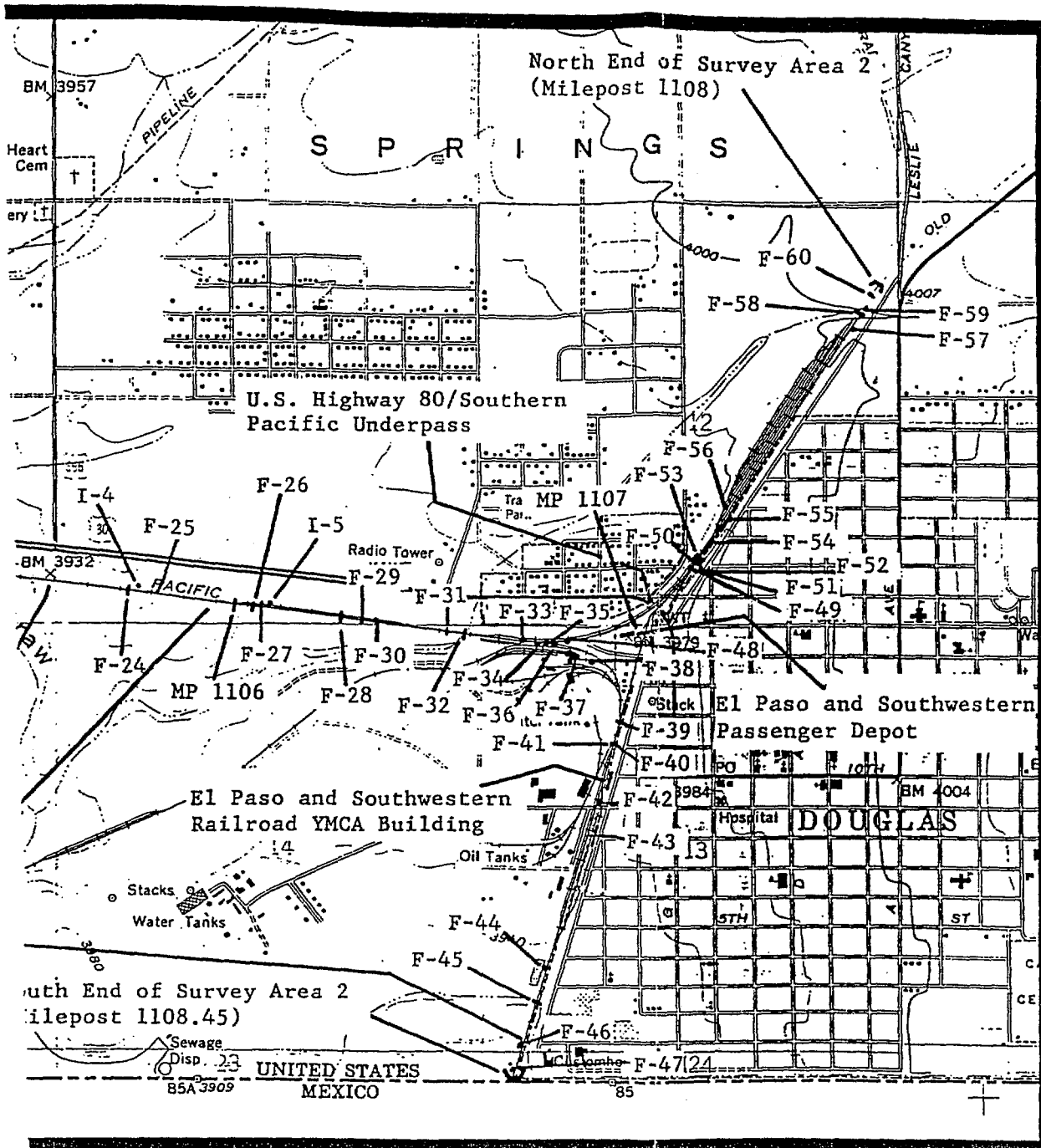
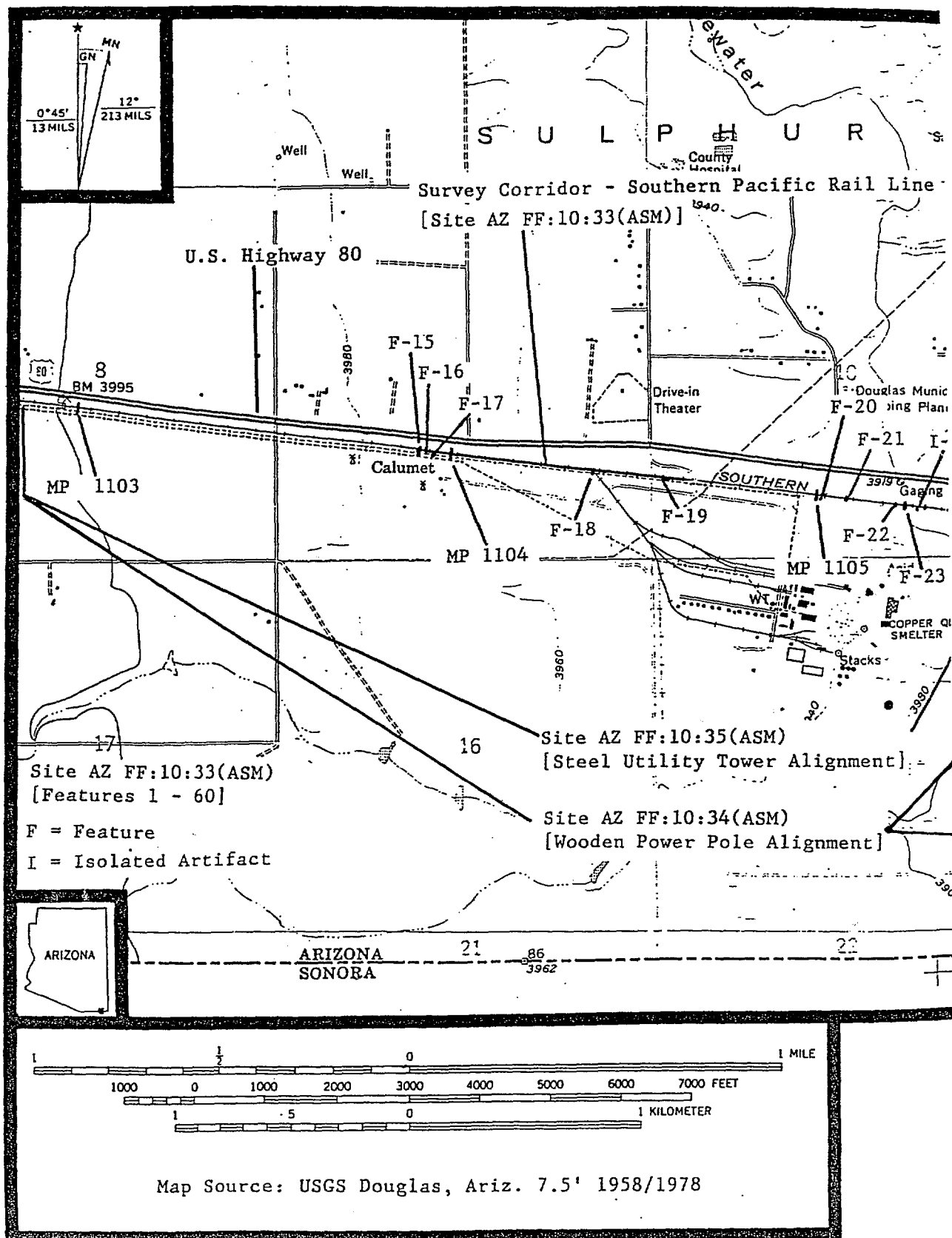


Figure 2b: Location of Survey Area 2 and Identified Cultural Resources



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